NOVELS
BOOKID
AUTHOR

JOURNALS
BOOKID
AUTHOR

MAGAZINE
BOOKID
AUTHOR

TEXTBOOKS
BOOKID
AUTHOR

IS-A

We perform generalization
(Inheritance)
IS-A relationship exists
between superclass
and subclass

HasSub

BOOKS
BOOKID
NAME
PID
AVAIL_STATUS
EDITION
PUB_DT

PUBLISHER
PID
NAME
CONTACT

PID

IssueID

IsssueDt

Fine

Issues

UNIQUE(BOOKID, USERID))

ReturnDt

Fine is a derived
attribute (Derived from
issue dt and return dt)

SUBJECT
SUBID
NAME

USER
ID
REGID
PSWD
TYPE

We perform specialization
(Inheritance)
IS-A relationship exists
between superclass
and subclass

IS-A

SUBID

STAFF
ID
NAME
DEPARTMENT
EMAIL

IsIn

STUDENTS
STUDID
NAME
DEPARTMENT
EMAIL

TEACHING STAFF
ID(FK)
SUBJECTS_TAUGHT

NON-TEACHING STAFF
ID(FK)
SECTION

DEPARTMENT
DEPID
NAME

Studies

USED :

Function to check if a
user is valid while
login/signup

Triggers to allocate the
fine, check if issue is
possible

DQL for displaying books

DCL, DML and DDL for
admin access